Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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HTZ110A Series

$I_{F(AV)}$ = 3.5 A

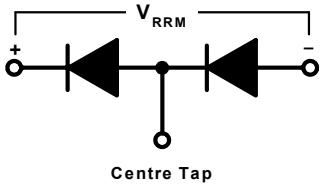
V_{RRM} = 25000 V

High Voltage Diode Rectifier Module

LARONTROL
Electronic Devices

Type Number	Repetitive Peak	Minimum Avalanche Voltage $V_{(BR)R}$
HTZ110A25K	25000	27200
HTZ110A22K	22000	24000
HTZ110A19K	19000	20800
HTZ110A16K	16000	17600

CIRCUIT DIAGRAM



CURRENT RATINGS - AIR COOLED

$I_{F(AV)}$	Mean forward current	Half wave resistive load T_{amb} = 35ºC	3.5	A
I_F	Continuous (direct) forward current	T_{amb} = 35ºC	4.3	A
$R_{th(j-a)}$	Thermal resistance junction to ambient		2.3	ºC/W

CURRENT RATINGS - OIL COOLED

$I_{F(AV)}$	Mean forward current	Half wave resistive load T_{oil} = 60ºC	5.7	A
I_T	Continuous (direct) forward current	T_{oil} = 60ºC	7.0	A
$R_{th(j-o)}$	Thermal resistance junction to oil		0.93	ºC/W

SURGE RATINGS

I^2t	I^2t for fusing	10 ms half sine T_{vj} = 150ºC	200	A^2sec
I_{FSM}	Surge (non-repetitive) forward current	T_{vj} = 150ºC	200	A

TEMPERATURE AND FREQUENCY RATINGS

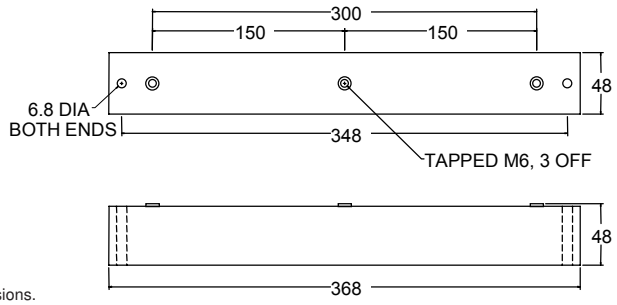
T_{vj}	Virtual junction temperature	Forward (conducting)	180	ºC
		Reverse (blocking)	180	ºC
T_{stg}	Storage temperature range		-40 to 100	ºC
f	Frequency range		20 to 400	Hz

CHARACTERISTICS T_{case} = 25ºC unless otherwise stated

V_{FM}	Forward voltage	At 12 Amps peak	max 18.3	V
I_{RM}	Peak reverse current	At V_{RRM}; T_{case} = 150°C	max 0.5	mA

Dimensioned Outlines
Dimensions shown are maximum in mm

Weight typ.: 1,55 Kg



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IXYS
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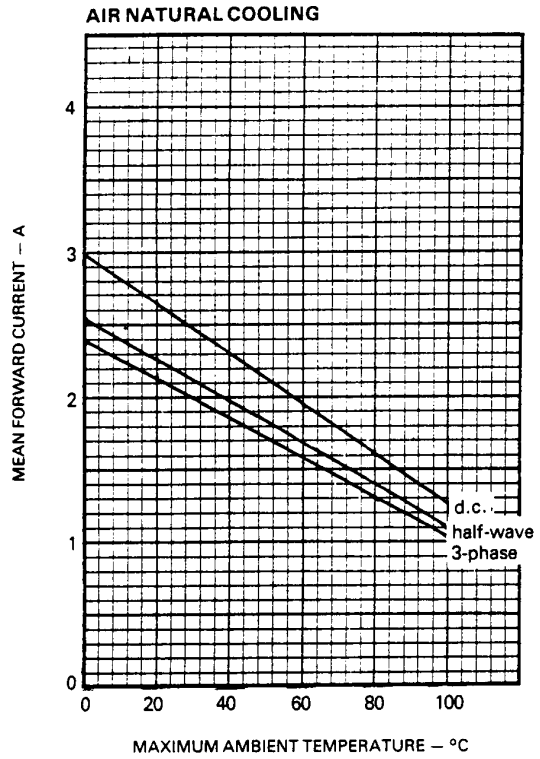
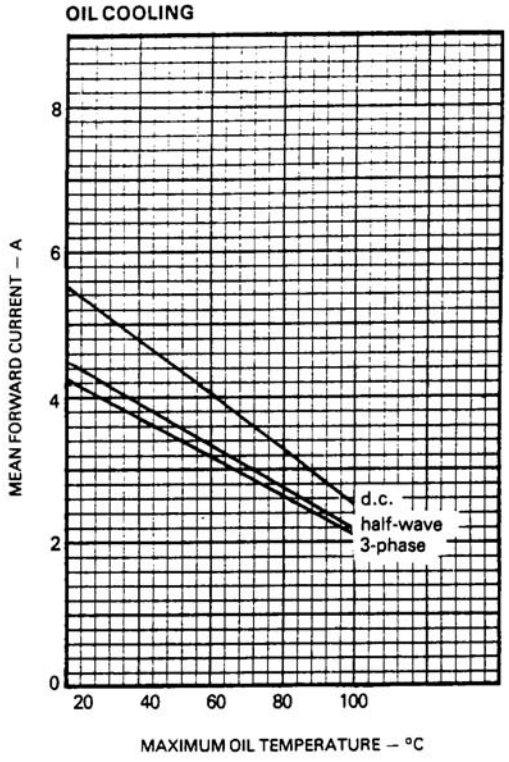
Electronic Devices



DERATING CURVES



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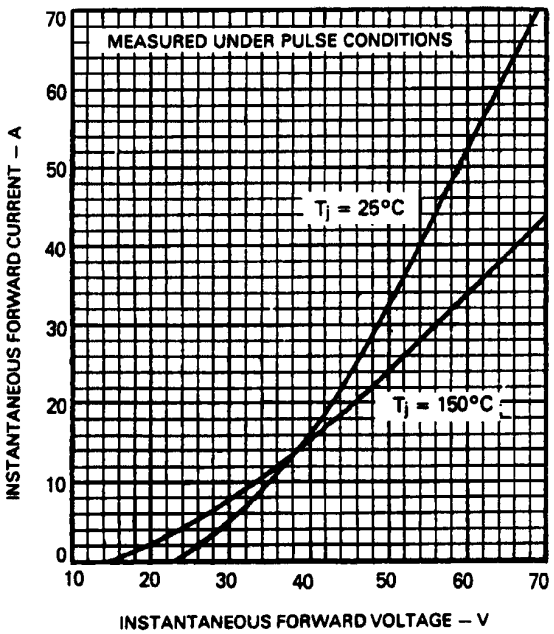
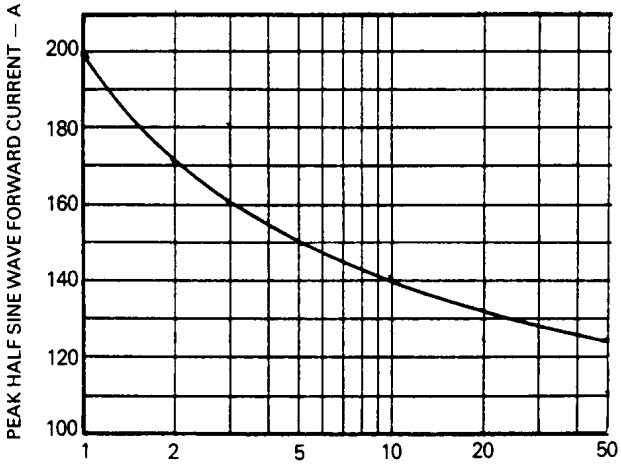


MAXIMUM (LIMIT) FORWARD CHARACTERISTICS



SURGE (NON-REPETITIVE) FORWARD CURRENT VERSUS TIME
T_j = 150°C

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